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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/030,076		01/10/2002	Osamu Nagai	P67506US0	1981
136	7590	06/07/2005		EXAMINER	
		MAN PLLC	LE, HOA VAN		
400 SEVEN SUITE 600		EEI N.W.	ART UNIT	PAPER NUMBER	
WASHING	WASHINGTON, DC 20004			1752	
				DATE MAILED: 06/07/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Action Summany	10/030,076	NAGAI ET AL.				
Office Action Summary	Examiner	Art Unit				
The MAIL INC DATE of the community	Hoa V. Le	1752				
The MAILING DATE of this commun. Period for Reply	ication appears on the cover sheet with	n the correspondence address				
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNI - Extensions of time may be available under the provisions after SIX (6) MONTHS from the mailing date of this commodified above is less than thirty (3). If NO period for reply specified above, the maximum statement of the period for reply is specified above, the maximum statement of the period for reply any reply received by the Office later than three months at earned patent term adjustment. See 37 CFR 1.704(b).	CATION. of 37 CFR 1.136(a). In no event, however, may a repunication. 0) days, a reply within the statutory minimum of thirty atutory period will apply and will expire SIX (6) MONT will, by statute, cause the application to become ABA	ply be timely filed (30) days will be considered timely. HS from the mailing date of this communication. NDONED (35 U.S.C. § 133).				
Status	Decision on Petition mo	rde on 27 May 2005				
1) Responsive to communication(s) file	ed on	y -				
2a) This action is FINAL .	2b)⊠ This action is non-final.					
3) Since this application is in condition	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is					
closed in accordance with the practi	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) ⊠ Claim(s) 23-40 is/are pending in the 4a) Of the above claim(s) is/are 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 23-40 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restrict	re withdrawn from consideration.					
Application Papers						
	002 is/are: a) \square accepted or b) \square obtain to the drawing(s) be held in abeyand the correction is required if the drawing(s)	ce. See 37 CFR 1.85(a). (a) is objected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
2. Certified copies of the priority3. Copies of the certified copies	documents have been received. documents have been received in Ap of the priority documents have been r nal Bureau (PCT Rule 17.2(a)).	oplication No received in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) 🔲 Interview Su	ımmary (PTO-413)				
Notice of Draftsperson's Patent Drawing Review (P Information Disclosure Statement(s) (PTO-1449 or Paper No(s)/Mail Date	TO-948) Paper No(s)	/Mail Date ormal Patent Application (PTO-152)				

This is in response to Decision on Petition made on 27 May 2005.

I. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 39-40 are rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Krasij et al (6,660,422).

Krasij et al disclose and teach a liquid rubber hardened gasket for a fuel cell battery comprising a liquid silicone rubber "14b" being hardened at about 100°C on an uneven and groove-like surface (upper end surfaces of "9"s and "8" in figure 5) of the fuel cell battery. Please see figure 5, col.4:42-50 and 5:4-7.

Krasij et al do not specify the product-by-process embodiment of "is integrally formed in the surface of...a groove portion". Patentability of a product-by-process is based on a product in accordance with MPEP 2113. Applicant must show a processing step of making the product as

claimed would provide a patentably distinct product. Applicants must show that a different product is made using their process.

Since Krasij et al are reasonably disclosed and taught the claimed embodiments, they are found to be rendered prima-facie obvious by Krasij et al.

II. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims (39-40 being broadest), 23, 27-28 are rejected under 35 U.S.C. 102(e) as being anticipated by Sasaki et al (6,337,120).

Sasaki et al disclose and teach a gasket for use to seal a leakage in a cell battery. The gasket has two lips and coupling portion in between the lips to secure the electrode membrane unit having both sides with the electrodes and is made of a liquid rubber hardened. Please see figures 5 and 6 and their descriptions, col.2:4-7 and col.9:3. The functional language "adapted to..." has been considered. But it has reason to believe that they are inherent in the absence of convincing evidence to the contrary in accordance with the authority stated in In re Schreiber, 44 USPQ 1429. The preamble in the claims with respect to "for a fuel cell..." has no value in the above applied statutory.

Since Sasaki et al are reasonably disclosed and taught the above claimed embodiments, they are found to be anticipated by Sasaki et al.

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III. Claims 24-26, 29-38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sasaki et al (6,337,120).

Sasaki et al disclose and teach a gasket for use to seal a leakage in a cell battery. The gasket has two lips and coupling portion in between the lips to secure the electrode membrane unit having both sides with the electrodes and is made of a liquid rubber hardened. Please see figures 5 and 6 and their descriptions, col.2:4-7 and col.9:3. The process for making the gasket is at figures 1, 2, 4, 5, 6, 7 and 8 and their descriptions, col.6:20-28, 42-43, 7:24-30, 8:53-58. The functional language "adapted to..." and "that is secure..." have been considered. But it has reason to believe that they are inherent in the absence of convincing evidence to the contrary in accordance with the authority stated in In re Schreiber, 44 USPQ 1429.

Sasaki et al do not specify chevron and trapezoidal shape in claims 24-25, 29, 31-32 and 37. However, Sasaki et al at figures 5, 6, 7 and 8 (as later broadly connected the separate embodiments in the specification and amended by applicant) show the obvious shapes to those of the claims. No unusual or unexpected result is on the record for the obviously claimed shapes.

Sasaki et al do not specify that the sealing shapes are off the centers of the bases in claims 26, 33 and 36. However, Sasaki et al at figures 8, 9 and 10 in view of figures 5 and 6 (as later broadly connected the separate embodiments in the specification and amended by applicant) show the obvious shapes to those of the claims. No unusual or unexpected result is on the record for the obviously claimed shapes.

Sasaki et al do not specify the all of steps of the method for forming the gasket as those in claims (35 broadest), 30, 34 and 38 as later broadly connected the separate embodiments in the

specification and amended by applicant. However, Sasaki et al use the same or about the same molding apparatus, molding shapes and molding liquid rubber hardeners and general processing steps. Please the instant figures 1, 2, 3, 4, 5, 6, 7, 8, 10, 11 and 12 and those in Sasaki et al at figures 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10. Accordingly, it has reason to believe that the same or about the same claimed steps have been done or could be done in Sasaki to obtain the same or about the same gaskets. There is no evidence on the record that the claimed steps are unusual or unexpected result those being done in Sasaki et al for obtained the same or about the same gasket.

Since Sasaki et al are reasonably disclosed, taught and suggested the claimed embodiments, they are found to be rendered prima facie obvious by Sasaki et al in the absence of unusual or unexpected result for the record in order to overcome the applied reference.

IV. Claims (30-40 being broadest, 23 and 27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schmid t al (6,080,503).

Schmid et al disclose and teach a gasket for use to seal a leakage in a cell battery. The gasket has two lips and coupling portion in between the lips to secure the electrode membrane unit having both sides with the electrodes. Please see figures 1a and 5a and their descriptions, col.2:23-27, 6:45-46 and 8:42-49. The functional language "that is secure..." and "adapted to..." has been considered. But it has reason to believe that they are inherent in the absence of convincing evidence to the contrary in accordance with the authority stated in In re Schreiber, 44 USPQ 1429. The product-by-process language "made of a liquid rubber hardened" has no value

since a the patentability is on the product in accordance with MPEP 2113 until applicant could be able to show a convincing evidence that the claimed processing steps would provide a patentably distinct product.

Schmid et al do not specify a lip base having a rectangular shape as claimed 23 and 27.

However, Schmid et al base having a plat surface that would sufficiently prevent a leakage.

There is no evidence on the record that the claimed rectangular shape would provide unusual or unexpected result over the plate surface as that in Schmid et al.

Since Schmid et al are reasonably disclosed, taught and the above claimed embodiments, they are found to be rendered prima facie obvious by Schmid et al.

V. Claims (30-40 being broadest, 23 and 27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schmid et al (6,080,503) considered in view of Sasaki et al (6,337,120) or Krasij et al (6,660,422).

Schmid et al disclose and teach a gasket for use to seal a leakage in a cell battery. The gasket has two lips and coupling portion in between the lips to secure the electrode membrane unit having both sides with the electrodes. Please see figures 1a and 5a and their descriptions, col.2:23-27, 6:45-46 and 8:42-49. The functional language "that is secure..." and "adapted to..." has been considered. But it has reason to believe that they are inherent in the absence of convincing evidence to the contrary in accordance with the authority stated in In re Schreiber, 44 USPQ 1429.

The product-by-process language "made of a liquid rubber hardened" has no value

since a the patentability is on the product in accordance with MPEP 2113 until applicant could be able to show a convincing evidence that the claimed processing steps would provide a patentably distinct product. However, each of Sasaki et al at at least col.9:3 or Krasij et al (6,660,422) at least col.5:4-7 to show the known use and made a gasket from a liquid rubber hardener for the advantage of obtaining a sufficient sealant.

Schmid et al do not specify a lip base having a rectangular shape as claimed 23 and 27. However, Schmid et al base having a plat surface that would sufficiently prevent a leakage. There is no evidence on the record that the claimed rectangular shape would provide unusual or unexpected result over the plate surface as that in Schmid et al.

Since the above references are all related to gaskets, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use or cite the known use and made a gasket from a liquid hardener for a reasonable expectation of obtaining a sufficient sealant as disclosed, taught and suggested in Sasaki et al or Krasij et al.

VI. Claims (30-40 being broadest, 23 and 27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Uchida et al (6,316,139).

Uchida et al disclose and teach a gasket for use to seal a leakage in a cell battery. The gasket has two lips and coupling portion in between the lips to secure the electrode membrane unit having both sides with the electrodes. Please see figures 1A and C and their descriptions, col.2:29-30 and 4:49-51. The functional language "that is secure..." and "adapted to..." has been considered. But it has reason to believe that they are inherent in the absence of convincing evidence to the contrary in accordance with the authority stated in In re Schreiber, 44 USPQ 1429. The product-by-process language "made of a liquid rubber hardened" has no value since a the patentability is on the product in accordance with MPEP 2113 until applicant could be able to show a convincing evidence that the claimed processing steps would provide a patentably distinct product.

Uchida et al do not specify a lip base having a rectangular shape as claimed 23 and 27. However, Uchida et al base has a plat surface that would sufficiently prevent a leakage. There is no evidence on the record that the claimed rectangular shape would provide unusual or unexpected result over the plate surface as that in Uchida et al.

Since Uchida et al are reasonably disclosed, taught and the above claimed embodiments, they are found to be rendered prima facie obvious by Uchida et al.

VI. Claims (30-40 being broadest, 23 and 27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Uchida et al (6,316,139) considered in view of Sasaki et al (6,337,120) or Krasij et al (6,660,422).

Uchida et al disclose and teach a gasket for use to seal a leakage in a cell battery. The gasket has two lips and coupling portion in between the lips to secure the electrode membrane unit having both sides with the electrodes. Please see figures 1A and C and their descriptions, col.2:29-30 and 4:49-51. The functional language "that is secure..." and "adapted to..." has been considered. But it has reason to believe that they are inherent in the absence of convincing evidence to the contrary in accordance with the authority stated in In re Schreiber, 44 USPQ 1429.

However, each of Sasaki et al at at least col.9:3 or Krasij et al (6,660,422) at least col.5:4-7 to show the known use and made a gasket from a liquid rubber hardener for the advantage of obtaining a sufficient sealant.

Uchida et al do not specify a lip base having a rectangular shape as claimed 23 and 27. However, Uchida et al base has a plat surface that would sufficiently prevent a leakage. There is no evidence on the record that the claimed rectangular shape would provide unusual or unexpected result over the plate surface as that in Uchida et al.

Since the above references are all related to gaskets, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use or cite the known use and made a gasket from a liquid hardener for a reasonable expectation of obtaining a sufficient sealant as disclosed, taught and suggested in Sasaki et al. or Krasij et al.

VIII. Applicants arguments with respect to the applied prior art submission on 27 July 2004 have been considered. However, in view of the amendment, this Office action uses different rejections and references.

IX. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoa V. Le whose telephone number is 571-272-1332. The examiner can normally be reached from 6:30 AM to 4:30 PM on Monday though Thursday and about the same time of most Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia Kelly can be reached on 571-272-1526.

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Applicants may file a paper by (1) fax with a central facsimile receiving number 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hoa V. Le Primary Examiner Art Unit 1752

HVL 03 June 2005

HOA VAN LE PRIMARY EXAMINER